HEADQUARTERS

UNITED STATES ARMY
CONTRACTING COMMAND, EUROPE

TECHNOLOGY MODERNIZATION PLAN

July, 1999

AEUCC-M

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Five Year Technology Modernization Plan (TMP)

1. Reference AR 25-1.

2. AR 25-1 requires each MACOM to maintain a TMP. The TMP is a statement of the organization's current automation situation and its plans to meet future requirements. Because Information Technology changes at a rapid pace the TMP will be continuously reviewed and updated as needed. A limited number of copies of the TMP will be distributed. The latest approved TMP can be found on the Command's Home Page (www.hq.usacce.army.mil).

3. Enclosed is your copy of the approved FY 99 update to the HQ USACCE TMP.

4. POC is Mr. James Terry, DSN 375-3222/7606.

Encl

DONALD R. YATES
COL, QM
Commanding

DISTRIBUTION:
HQ Division Chiefs
Commander WRCC
RCO Chiefs

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HQ USACCE
FIVE-YEAR TECHNOLOGY MODERNIZATION PLAN

INTRODUCTION

AR 25-1 requires that each MACOM prepare a Five Year Technology Modernization Plan.

HQ USACCE automation resources are sufficient to meet the current processing support requirements. Army contracting is quickly approaching some significant and dramatic changes. Two of these changes are the year 2000 compliance (Y2K), the replacement of the Standard Army Automated Contracting System (SAACONS) with the Standard Procurement System (SPS).

Aging printers from the SAACONS installation period (1989) will soon have to be replaced. As they and other older printers become inoperative they will have to be replaced. TIER III no longer repairs LaserJet II's, III's, IV's and some versions of LaserJet V's because of the expense of parts. All printers will be placed in the five (5) year replacement cycle.

Y2K, SPS, require specific modernization changes to the existing automation resources. All contracting systems must be Y2K compliant and meet the system processing/storage requirements of SPS. The most stringent requirements are those of the SPS.

The current Synoptic Communications Equipment will be replaced by recently purchased Cabletron Smart Switch models 6000 or 2200. The newer communications equipment will provide faster service, enhanced security, and maintain compatibility with 5th Signal Command. The 5th Signal Command is migrating to ATM switches and fiber optics transmission media.

Support of contingency contracting is essential. Contingency requirements are unpredictable in number, situation, and location. Contingency contracting equipment consists of deployable kits containing Laptop/Notebook computers, compact printers, copiers and faxes. The hardware and software is updated by IMO as required.

Other than software upgrades IMO predicts no change in the choice of Personal Computer Software. The Microsoft Suite of programs is technologically current. This includes the Office Pro 97 Suite of Word, Excel, Power Point, Access, and Exchange. IMO has enrolled HQ USACCE in the Microsoft Select Program for software maintenance upgrades. This enables us to upgrade every PC in the command to the most current version of the Microsoft software as soon as we receive the CDs.

The current state of USACCE Home Pages provides exposure and data to the Internet Community. A unified presence for Home Pages is being constructed and is discussed on page 5.

Milestones and Priorities for the above mission are covered in Enclosure 1.

HQ USACCE
FIVE-YEAR TECHNOLOGY MODERNIZATION PLAN

CURRENT STATUS

Enclosure 2 depicts the status of automation equipment in the Contracting Command. This status reflects the installation of 235 paperless PC's and FY98 year-end purchase of automation equipment.

The Contracting Command currently has:

CPU	NUMBER
Pentium (80586)	357

The FY98 year-end automation equipment purchase consisted of 28 Pentiums. The configuration of the new Pentiums is 333 MHz machines with 4.3 GB hard drives and 64 MB RAM.

The new computers have been delivered to the RCOs and are intended to be placed in SPS high usage positions. The replacements are not intended to give the current user of the older equipment a newer or more powerful computer. Steps will be taken at each location to ensure that the more powerful computers are placed with the individuals needing the increased processing speed and storage required by SPS. As the Personal Computers are reutilized through the command the older, slower computers will be sent to headquarters for reutilization. The 80486s will be eliminated from the command first. After all 80486s are eliminated the order of elimination of the older Pentiums will be P75, P90, P100, P133, and P166.

Enclosure 3 depicts the status of automation equipment by CPU type in the Contracting Command before FY98. Enclosure 4 shows automated equipment by CPU type after FY98, which includes SPS PC's. The distribution of Pentiums is at Enclosure 5.

HQ USACCE
FIVE-YEAR TECHNOLOGY MODERNIZATION PLAN

FY99 AND BEYOND

The Information Management Office has six major initiatives. The six IMO initiatives are driven by and support three major DOD initiatives. The three DOD initiatives are Year 2000 Compliance (Y2K), and Standard Procurement System (SPS). All three DOD initiatives are to be completed by FY 2000. All three initiatives require new computer equipment.

The major IMO initiatives are: (1) continual modernization of automated equipment throughout the command; (2) replacement of 5th Signal router with smart switch; (3) replacement of Cat 3 LAN cabling with Cat 5 standard cable; (4) installation of firewalls; (5) installation, training and implementation of SPS; (6) establish an efficient and easy to use home page.

Upgrading of existing computers falls within the current IMO plan to continually add state of the art equipment to the Contracting Command's inventory. One fifth of the equipment will be updated each year beginning in year 2001. Y2K requirements were met by the HQ USACCE FY98 year-end purchase.

Replacement of the 5th Signal Command router with a smart switch at Gateway 1 and connecting Gateway 1 to a fiber optic cable is a 5th Signal Command initiative. Gateway 1 is located in the CPOC building at Hammonds Barracks. The fiber optic cable from Gateway 1 to Heidelberg has been installed. No Contracting Command funds are required for this project. The scheduled completion date is in the near future.

To further protect the information processing assets, firewalls are required at the Command, each RCO, and both sub-offices. Installation will permit full utilization of new network fax machines and Home Pages while preventing access to SAACONS/SPS data. The firewall diagram is at enclosure 6. The ten firewalls already purchased will be installed by end of FY99. All ten purchased will be installed in coordination with the RCERT and Cisco Systems. The upload of the known hacker list, updated by RCERT, prevents duplication of work by HQ IMO.

HQ USACCE HOME PAGE

History

HQ USACCE's web server was rebuilt and upgraded, using Microsoft's Internet Information Server 4.0, in Sept 98. All web pages were reviewed for content to meet USAREUR regulations and then registered. Additional capabilities were added to the web server, providing News Groups and Internet Locator services. Software to participate in the Army Single Face to Industry (ASFI) effort was loaded on both the web server and SAACONS allowing HQ to provide vendors with all EDI/EC solicitations straight from the web page. Web applications were designed for handling IMPAC Vendor Listings, Solicitations on the Web, and Counsel's Calendar. Protected areas were created for distributing licensed software to USACCE personnel. A standard of producing web content using Adobe Acrobat's Portable Document format was set up to make publishing individual documents easier and in a confirmatory manner. Web pages were constructed to display Metrics for upward reporting to SARDA.

Future

Work continues on creating a process to have the IMPAC Vendors, PR&Cs, and solicitation information automatically transferred to the web server from SAACONS/SPS. RCOs will be asked to assist in refining a method of publishing solicitations electronically and reproduction equipment for copying floppies and CDROMs is being researched. A process to create staff listings from HQ's Exchange Server is being examined as a solution in publishing phone numbers. Efforts continue in assisting RCOs with standardizing web pages.

The Contracting Command internal telecommunications cabling will need to be replaced with Cat 5 (100Mbs). This cable is currently Cat 3 (10 Mbs). This is not an immediate need but will be a major cost to the command. Telecommunication cable costs are being investigated by IMO at this time. This analysis should be completed by June, 1999. Current UFRs are at Enclosure 7.

Other Issues – Other issues that IMO will address are covered in Enclosure 8.

Milestones and Priorities

200 SPS PC's

- An additional 96 Paperless Contracting PCs were ordered and have been received. Some of these may be held for use in PD^2 (SPS) training. They then will be distributed to field units.

Firewalls

- 10 Firewalls have been received.
- First projected install of Firewall at BKR - Feb 99
- The remaining firewalls will follow in priority order in conjunction with coordination with RCERT and the RCOs.

Replace Hubs with Smart Switches

- The 10 Switches have been received
- Switches will be installed after installation of Firewalls

Webmaster Time Line

- HQ on line Oct 98
- SKN/STG –Mar 99
- WCC –Apr 99
- WBG –May 99
- GFN –May 99
- BSL/BKR –Jun 99
- VIC/LIV –Jul 99

Enclosure 1

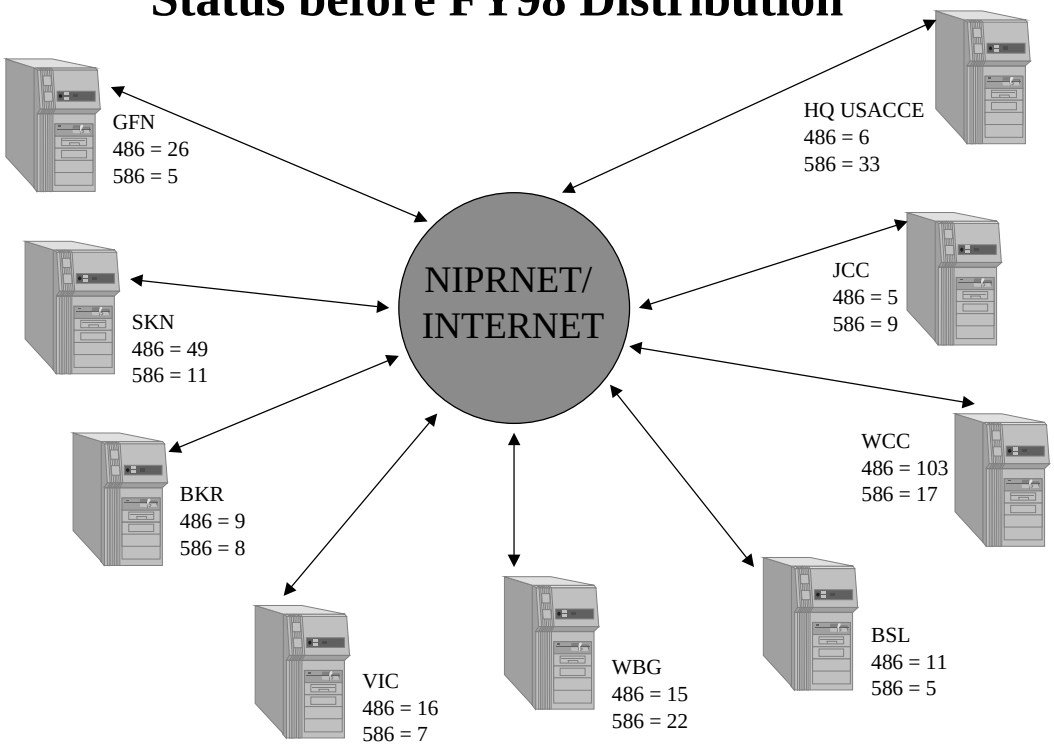
CURRENT EQUIPMENT STATUS

PERSONAL COMPUTERS ON HAND FY99

RCO Site	PC's
HQ USACCE	39
RCO SECKENHEIM	60
RCO BAD KREUZNACH	17
RCO BENELUX	16
RCO GRAFENWOEHR	31
RCO VICENZA	23
RCO WUERZBURG	37
RCC WIESBADEN	120
JCC HUNGARY	14
TOTAL	357

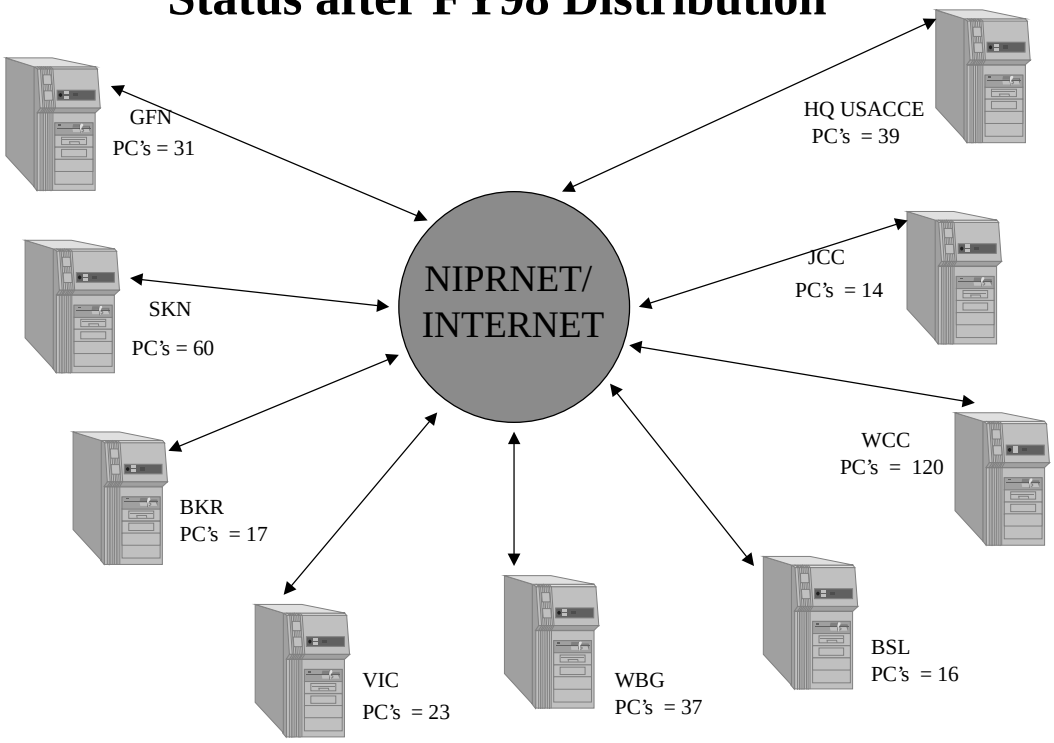
Enclosure 2

Status before FY98 Distribution



Enclosure 3

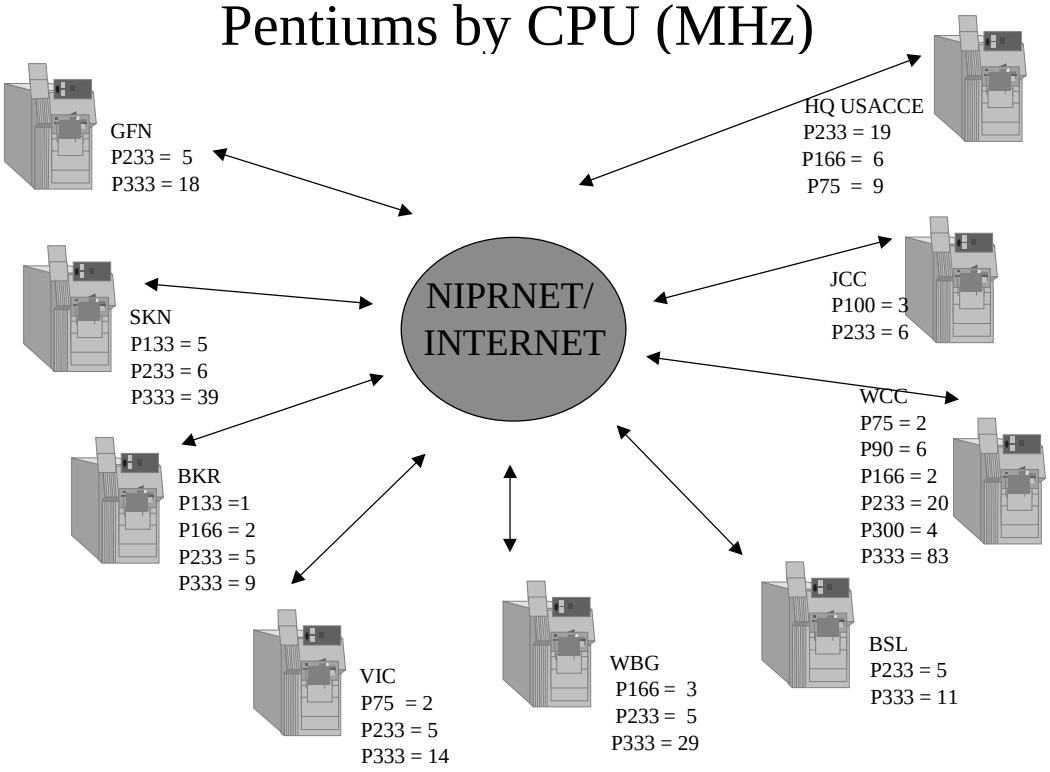
Status after FY98 Distribution



After the FY98 Distribution there will be 14 older Pentiums for redistribution throughout the command.

Enclosure 4

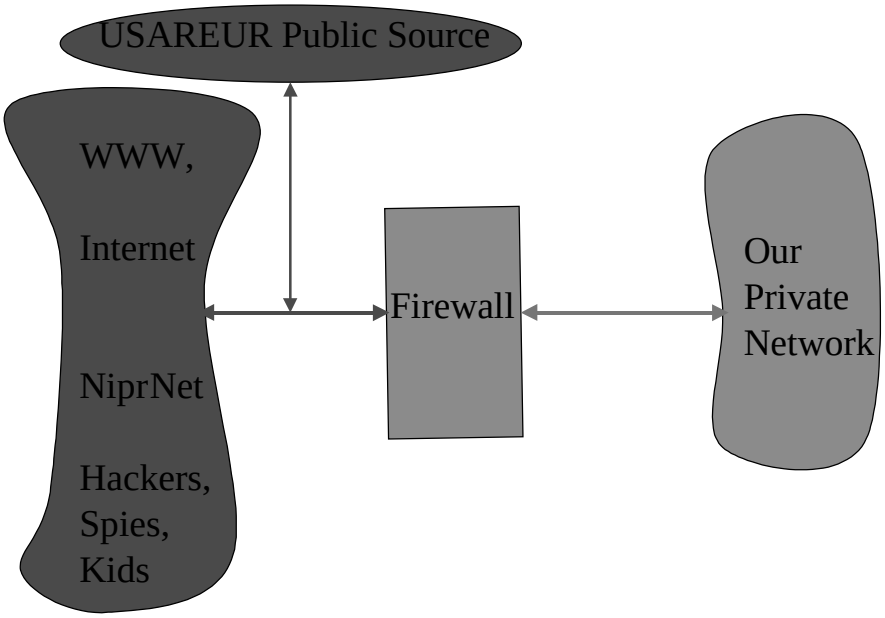
Pentiums by CPU (MHz)



*** 28 reserved for Training**

Enclosure 5

Firewall



Enclosure 6

FY99 Requirements

- **Replacement 1/5 printers each year beginning in FY00 through FY03 - $120K**
- **Replace 1/5 PCs per year beginning FY00 - $372K**
- **Upgrade LAN infrastructure cable to Cat V standard - $429K**
- **Web Server CDROM duplicator w/printer (8 CDs/hr, Stand Alone) - $20K**
- **Floppy duplicator w/extra floppy drive (165 discs/hr, Stand Alone) $4K**
- **Upgrade SPS Servers FY01 through FY04 - 55.3K**
- **TOTAL: $1000.3K**

Requirements broken down to 5 yr. Cycle (K $s)

	FY99	FY00	FY01	FY02	FY03	FY04
1/5 PCs/yr	0	93	93	93	93	0
1/5 Printers/yr	0	24	24	24	24	24
Web Server CDROM	20	0	0	0	0	0
Web Server Floppy	4	0	0	0	0	0
Cat V Install	71.5	71.5	71.5	71.5	71.5	71.5
Upgrade SPS Servers	0	0	10.3	15	15	15
UFR	95.5K	188.5K	198.8K	203.5K	203.5K	110.5K

Enclosure 7

Other Issues

This Automation Plan is a living document. This means that this plan can adapt to changing circumstances. In our planning, we are currently actively addressing the following issues:

- EDI/EC
- The Paperless Contracting Initiative
- DA Metrics
- EDA/EDM

We will also actively and aggressively address any other issues that come up in the future.

Enclosure 8

TABLE OF ACRONYMS

AR	Army Regulation
ASFI	Army Single Face to Industry
ATM	Asynchronous Transmission Mode
BKR	Regional Contacting Office Bad Kreuznach
BSL	Regional Contracting Office Brussels
CD	Compact Disc. The spelling disc is used because this media is an optical media rather than magnetic.
CDROM	Compact Disc Read Only Memory
CAT 3	Older generation cable, capable of operating at 10 Mb per sec.
CAT 5/CAT V	The current future capable cabling standard. Can operate at 100 Mb per sec., 10 times faster than CAT 3.
CPU	Central Processing Unit
DA	Department of the Army
DOD	Department of Defense
EDA/EDM	Electronic Document Access/Electronic Document Management
EDI/EC	Electronic Data Interface/Electronic Commerce
FY	Fiscal Year

Enclosure 9

HQ	Headquarters
GB	GIGA Bytes
GFN	Regional Contracting Office Grafenwoehr
HQ	Headquarters
IAW	In accordance with
IMO	Information Management Office
IMPAC	International Merchant Purchase Authorization Card
JCC	Joint Contracting Center
K	Short for one thousand (1,000). Derived from Greek Kilo, meaning one thousand.
LAN	Local Area Network
LIV	Livorno Contracting Sub-office
MB	MegaByte(s)
Mb/s	Megabits per second (One million bits/s)
MHz	MEGA Hertz
MACOM	Major Army Command
NIPR	Nonclassified IP Routed network
NT	New Technology
PC	Personal Computer
PD^2	Procurement Desktop-Defense (SPS)
PR&C	Purchase Request and Commitment, a DA Form 3953

Pro	Professional (i.e., Microsoft Office Professional)
RAM	Random Access Memory
RCERT	Regional Computer Emergency Response Team
RCO	Regional Contracting Office
SAACONS	Standard Army Automated Contracting System
SARDA	(Assistant) Secretary of the Army for Research, Development and Acquisition
STG	Stuttgart Contracting Sub-office
SKN	Regional Contracting Office Seckenheim
SPS	Standard Procurement System (PD^2)
TMP	Technology Modernization Plan
UFR	Unfunded Requirement
USACCE	United States Army Contracting Command, Europe
USAREUR	United States Army, Europe
VIC	Regional Contracting Office Vicenza
WBG	Regional Contracting Office Wuerzburg
WCC	Regional Contracting Center Weisbaden
WWW	World Wide Web
Y2K	Year 2000
Yr	Year